



FIRE PERFORMANCE CLASS



B2ca-s1a,d0,a1

CONTACT

Market information
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STANDARDS

Produkt EN 50575; EN 60228

Installation NF F 55-625

APPLICATION

These cables are used for fixed power or lighting installations (1000 V) and fixed traction circuits (1800 V) in tunnels and underground stations.

FIRE PERFORMANCE

- Flame retardant: According to RATP K20 specification
- Fire retardant: According to RATP K20 specification
- Low smoke: According to RATP K20 specification
- Without Halogen: According to RATP K20 specification
- Low Toxicity : According to RATP K20 specification
- Low corrosivity: According to RATP K20 specification

Reaction to fire: B2ca-s1a, d0, a1

DESIGN

- **Conductor:** Bare copper class 1 or 2
- **Insulation:** Cross-linked polyethylene (XLPE)
- **Outer sheath:** Polyolefine without halogen
Colour : black or yellow/green (Y/G)

Core identification

According to NF F 55625
1x: black



Halogenfrei
IEC/EN 60754-1



Flammwidrig
IEC/EN 60332-1-2



Rauchdichte
IEC 61034-2 & EN 61034-2



Korrosivität der (Brand-)Gase
IEC/EN 60754-2



Max. Betriebstemp. am Leiter
90 °C



Betriebstemp.
-20 ... 60 °C

CHARACTERISTICS**Konstruktionsmerkmale**

Leitertyp	Stranded, class 2
Leitermaterial	blank
Isolierung	VPE (vernetztes Polyethylen)
Außenmantel	Halogen free polyolefin
Halogenfrei	IEC/EN 60754-1
Mantelfarbe	Schwarz

Abmessungsmerkmale

Leiterquerschnitt	500 mm ²
Maximaler Außendurchmesser	38,7 mm
Nettogewicht ca.	5231 kg/km

Anwendungsmerkmale

Flammwidrig	IEC/EN 60332-1-2
Rauchdichte	IEC 61034-2 & EN 61034-2
Korrosivität der (Brand-)Gase	IEC/EN 60754-2
Max. Betriebstemperatur am Leiter	90 °C
Betriebstemperatur	-20 ... 60 °C

COMPLEMENT**Bending Radius**

$r = 6 \times \text{maximum outer diameter}$

SELLING AND DELIVERY INFORMATION**Marking**

1000 V cables: 1000 - Nber of cores & cross-section - SH -NF F 55-625 - LYNXEO 279 - WW - YY - B2ca-s1a, d0, a1 - Manufacturing n° + metric marking

1800 V cables: 1800 - Nber of cores & cross-section - SH -NF F 55-625 - LYNXEO 279 - WW - YY - B2ca-s1a, d0, a1 - Manufacturing n° + metric marking